

INTERNATIONAL SEARCH REPORT



PCT/US 03/11642

		701/03 03/11042				
	B29C45/17 B29C44/10 B29B17 B65D5/42 B65D85/02 B65D5/ C08J11/08 B08B3/04 B02C19 International Patent Classification (IPC) or to both national class	56 /14	B65D81/ B09B3/0	16 107 0	B29C44/04 B29B17/02 B01F13/10	
B. FIELDS S		Allocation				
	cumentation searched (classification system followed by classifi	cation s	/mbols)			
IPC 7	B29C B29B B65D C08J B08B BC)2C	B09B B01F			
Documentati	ion searched other than minimum documentation to the extent th	at such	documents are incl	uded in t	the fields searched	
Electronic da EPO-Int	ata base consulted during the international search (name of data ternal	a base a	nd, where practica	l, search	terms used)	
C. DOCUME	ENTS CONSIDERED TO BE RELEVANT				D. Laurente al la Ma	
Category •	Citation of document, with indication, where appropriate, of the	e releva	nt passages		Relevant to claim No.	
х	WO 01 81058 A (BACHER HELMUT; HELMUTH (AT); WENDELIN GEORG (1 November 2001 (2001-11-01) page 1, line 1 -page 3, line 3 abstract; claims 1-23; figures	1-14				
X	US 6 114 401 A (DOONAN BILLIE 5 September 2000 (2000-09-05) column 2, line 30 -column 3, labstract; claims 1-20; figure	1-14				
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X Furt	ther documents are listed in the continuation of box C.		X Patent fami	y membe	ers are listed in annex.	
"A" docum	ategories of cited documents: nent defining the general state of the art which is not	•1	or priority date a cited to understa	and not ir	after the international filing date n conflict with the application but principle or theory underlying the	
considered to be of particular relevance "E" earlier document but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or			invention X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken atone			
which citation "O" docum	h is cited to establish the publication date of another on or other special reason (as specified) nent referring to an oral disclosure, use, exhibition or	٦	document of part cannot be considerated is con-	icular rel Idered to mbined w	levance; the claimed invention Involve an inventive step when the with one or more other such docu-	
other means "P" document published prior to the international filing date but later than the priority date claimed			ments, such combination being obvious to a person skilled in the art. & document member of the same patent family			
	e actual completion of the international search	. T	Date of mailing	of the int	emational search report	
;	16 July 2003 · · ·	}	29/07/	/2003	·	
Name and	mailing address of the ISA European Palent Office, P.B. 5818 Palentlaan 2		Authorized office	er		
	NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo ni, Fax: (+31-70) 340-3016		G7 omm	, В	·	

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A. CLASSIFICATION OF SUBJECT MATTER IPC 7 B02C18/22 B29C47/58 B02C18/14 B02C18/44 B29C47/ According to International Patent Classification (IPC) or to both national classification and IPC	10
According to International Patent Classification (IPC) or to both national classification and IPC	
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Inimum documentation searched (classification system followed by classification symbols)	
ocumentation searched other than minimum documentation to the extent that such documents are included in the fields searched	ed
Electronic data base consulted during the International search (name of data base and, where practical, search terms used)	
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DE 44 24 143 A (ELGES WILHELM) 11 January 1996 (1996-01-11) column 1, line 36 -column 3, line 39 abstract; claims 1-14; figure 1	1-14
US 5 131 212 A (GREY MICHAEL J ET AL) 21 July 1992 (1992-07-21) column 1, line 55 -column 2, line 60 abstract; claims 1-13; figures 1-9	1-14
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Further documents are listed in the continuation of box C.	nnex.
*A" document defining the general state of the art which is not considered to be of particular relevance *T* tater document published after the internal or priority date and not in conflict with the cited to understand the principle or theory invention.	application but
"E" earlier document but published on or after the international filing date "X" document of particular relevance; the claim cannot be considered novel or cannot be cannot be considered novel or cannot be	considered to
which is cited to establish the publication date of another citation or other special reason (as specified) O' document referring to an oral disclosure, use, exhibition or other means orange of document is combined with one or more of their means orange of document is combined with one or more of ments, such combination being obvious to	ed invention ive slep when the other such docu-
"P" document published prior to the international filing date but later than the priority date claimed "&" document member of the same patent fami	
Date of the actual completion of the international search Date of mailing of the international search	report
16 July 2003	
Name and mailing address of the ISA European Palent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk	
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl. Fax: (+31-70) 340-3016 Glomm, B	

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Information on patent family members

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